

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Previously Presented) A method, in a communications network, of controlling an object transfer from a first component to a second component remote from the first component, wherein the object transfer is based on a plurality of object requests relating to objects referred to in one or more codes to be processed by the second or another component of the communications network, the method comprising steps of:

utilizing an intermediate component positioned between the first and the second component for:

sending an object request to the first component;

receiving the requested object from the first component;

estimating traffic over a link, comprising a number of connections, between the intermediate component and the second component to determine whether the link is fully used before suspending a connection to avoid wasting available bandwidth;

dynamically assigning a priority to the requested object, wherein an initial priority has been assigned to the requested object on the basis of an analysis of at least one of the object request and the code that refers to the requested object; and

depending on the priority of the requested object, the intermediate component delaying the requested object or forwarding the requested object to the second component.

2. (Previously Presented) The method of claim 1, wherein the delaying is performed such that an order in which the objects are received from the first component differs from the order in which the objects are forwarded to the second component.

3. (Previously Presented) The method of claim 1, wherein the object request is received from the second component or generated by the intermediate component.

4. (Previously Presented) The method of claim 1, wherein delaying of the requested object includes at least one of

instructing the second component to repeat the object request,

suspending a connection to the second component via which the requested object is to be forwarded, and

informing the second component that the requested object will automatically be forwarded at a later point in time.

5. (Previously Presented) The method of claim 4, wherein instructing the second component to repeat the object request includes:

assigning a specific attribute to the object to be delayed;

informing the second component of the attribute;

receiving a reference to the attribute from the second component; and

upon receipt of the reference to the attribute, sending the delayed object to the second component or further delaying the delayed object.

6. (Previously Presented) The method of claim 1, wherein requested objects are forwarded via the number of connections to the second component, based on comparing the average throughput of the number of connections to the second component to an amount of data that is currently cached or buffered in the intermediate component.

7. (Previously Presented) The method of claim 6, wherein selected ones of the number of connections to the second component are suspended dependent upon the priorities of the requested objects that were received from the first component and that are to be forwarded via the selected ones of the connections.

8. (Previously Presented) The method of claim 6, further including the step of dynamically allocating a specific share of processing capabilities to each of the number of connections.

9. (Previously Presented) The method of claim 1, further comprising:  
sending a code request to the first or a third component;  
receiving the requested code from the first or the third component;  
analyzing the received code with respect to references to objects;  
assessing the references to objects with the purpose of assigning initial priorities to the objects referred to in the received code.

10. (Previously Presented) The method of claim 1, wherein upon receipt of a response containing the object requested from the first component, the response is evaluated with respect to the received object's priority in order to determine whether or not the initial priority of the received object has to be updated.

11. (Previously Presented) The method of claim 1, further comprising generating a priority list that contains priority information for individual objects or classes of objects.

12. (Previously Presented) The method of claim 11, further comprising repeatedly assessing the priority list with respect to at least one of updating priority information, deleting objects or classes of objects and corresponding information, from the priority list.

13. (Previously Presented) The method of claim 1, wherein the steps are performed by a proxy component situated on the first component, on the second component or configured as a separate hardware component of the communications network.

14. (Previously Presented) A method of delaying in a communications network an object transfer from a first component to a second component, which is remote from the first component, wherein the object transfer is based on a plurality of object requests relating to objects referred to in one or more codes to be processed by the second or another component of the communications network, the method comprising the steps of:

- utilizing an intermediate component positioned between the first and the second components, assigning a specific attribute to an object which is to be delayed;

- the intermediate component informing the second component about the attribute;

- the intermediate component receiving a reference to the attribute from the second component;

- estimating traffic over a link between the second component and the intermediate component to determine if the link is fully used before suspending a connection to avoid wasting available bandwidth; and

- upon receipt of the reference to the attribute, the intermediate component sending the delayed object to which the attribute has been assigned to the second component or further delaying the delayed object.

15. (Previously Presented) The method of claim 14, wherein the object is sent to the second component in accordance with a pushing scheme or in response to an object request received from the second component.

16. (Previously Presented) The method of claim 15 wherein the second component is informed about the attribute in context with an instruction to repeat the

object request and wherein the reference to the attribute is received from the second component in context with a repeated object request.

17-18. (Canceled)

19. (Previously Presented) An apparatus in a communications network for controlling an object transfer from a first component to a second component which is remote from the first component, wherein the object transfer is based on a plurality of object requests relating to objects referred to in one or more codes to be processed by the second component of the communications network, the apparatus comprising:

an intermediate component between the first component and the second component;

a communications interface coupled with the intermediate component for sending an object request to the first component and for receiving the requested object from the first component:

means for estimating traffic on a link, comprising a number of connections, between the intermediate component and the second component for determining whether the link is fully used before suspending a connection in order to avoid wasting available bandwidth;

a processing unit for dynamically assigning a priority to the requested object, wherein an initial priority has been assigned to the requested object on the basis of an analysis of at least one of the object request and the code that refers to the requested object, and

wherein the processing unit depending on the priority of the requested object, delaying the requested object or controlling the communications interface to forward the requested object to the second component.

20. (Previously Presented) An intermediate component in a communications network for controlling an object transfer from a first component to a second component which is remote from the first component, wherein the object transfer is based on a

plurality of object requests relating to objects referred to in one or more codes to be processed by the second component of the communication network, the intermediate component comprising:

- a processing unit for dynamically assigning a specific attribute to an object which is to be delayed, and

- a communications interface

- for informing the second component about the attribute,

- for receiving a reference to the attribute from the second component;

- for estimating traffic on a link, comprising a number of connections, between the intermediate component and the second component to determine whether the link is fully used before suspending a connection in order to avoid wasting available bandwidth; and,

- upon receipt of the reference to the attribute, for sending the delayed object to which the attribute has been assigned to the second component or further delaying the delayed object.

21. (Previously Presented) The intermediate component of claim 20, configured as a proxy server.

22. (Previously Presented) A network system comprising  
an intermediate component for controlling an object transfer from  
a first component via the intermediate component to a second component which is remote from the first component, wherein the object transfer is based on a plurality of object requests relating to objects referred to in one or more codes to be processed by the second component of the communication network, the intermediate component comprising:

- a processing unit for dynamically assigning a specific attribute to an object which is to be delayed and

- a communications interface

- for informing the second component about the attribute,

for receiving a reference to the attribute from the second component  
for estimating traffic on a link, comprising a number of connections,  
between the intermediate component and the second component for determining  
whether the link is fully used before suspending a connection in order to avoid  
wasting available bandwidth;  
and,

upon receipt of the reference to the attribute, for sending the delayed  
object to which the attribute has been assigned to the second component or  
further delaying the delayed object.

23. (Previously Presented) The network system of claim 22, further  
comprising a first link between the intermediate component and the first component and  
a second link between the intermediate component and the second component, wherein  
the first link and the second link have different transfer rates.

24. (Previously Presented) The network system of claim 22, wherein the  
second component is a mobile terminal.